Algebra (multiple unknowns)

**Algebra Review**  
(Answer ID # 0191421)

**Complete.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 1. | A number *h* is two times the value of number *n*. A number *f* is seven times the value of number *n*. The sum of *h*, *f*, and *n* is 350. What is the value of *f*? | | |  |  | | --- | --- | | 2. | The sum of the reciprocals of two numbers is 1/9. The second number is three times larger than the first number. What are the two numbers? | |
| |  |  | | --- | --- | | 3. | Two times the sum of two numbers is 34. Five times the sum of the same two numbers is 85. The difference of the two numbers is 5. What are the numbers? | | |  |  | | --- | --- | | 4. | If the larger of two numbers were decreased by three hundred sixty-six, then the two numbers would be the same. The sum of the two numbers is 574. What are the numbers? | |

|  |
| --- |
| **Answer Key 0191421** |

|  |  |
| --- | --- |
| **1** | 245 |
| **2** | 12 and 36 |
| **3** | 6 and 11 |
| **4** | 104 and 470 |